

Work Order ID 105768

Friday, August 16, 2013 1:45:49 PM

105768

Page 1

Item ID: D4060-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: SKI CLAMP, TOP

Stop

NS2

Start Date: 8/16/2013 Start Qty: 20.00

~~40~~
~~*20*~~
~~*20*~~

Required Date: 8/23/2013 Req'd Qty: 20.00

Cust Item ID:

Customer:

Reference:

Approvals:	Process Plan:	MF	Date: 13-8-14	Tooling:	Date:	Run	Start	*NR1*
	QC:		Date:	SPC (Y/N):	Date:		Stop	*NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4060	A

100 0.00

100

Purchasing

Purchasing

Memo 0.00
Issue P/O: 20979
Manufacture as per Dwg D4060
Supplier: G.F.I
Certificate of conformity is required

CD 13/08/14 (40)

110 Receive & Inspect for Damage & Mat'l Certs 0.00

110

Packaging

Packaging

Memo 0.00

P 13/8/12 (40)

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
				Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced												
				Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure												
				Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>												
				Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>												
				Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>													
				Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>													
				Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>												
				Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>														
				Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>														
				Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>														
				Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>														

Work Order ID 105768

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105768

Page 2

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Stop

NS2

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20

Cust Item ID:

Required Date: 8/23/2013 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

DAS

27

9-89

120

QC

Quality Control

Memo

0.00

13/9/12

40
Qm

130

Identify as per dwg & Stock Location: ST 458

0.00

130

Packaging

Packaging

Memo

0.00

40X

DA 28

13-09-12

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Quality Control

Memo

0.00

13/9/16 JJ

ABSA-B

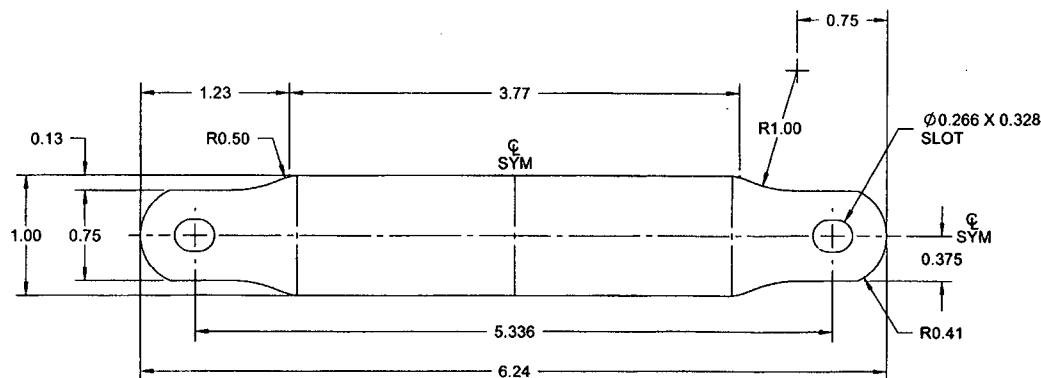
NCR: Yes / No

DQA: _____ Date: _____

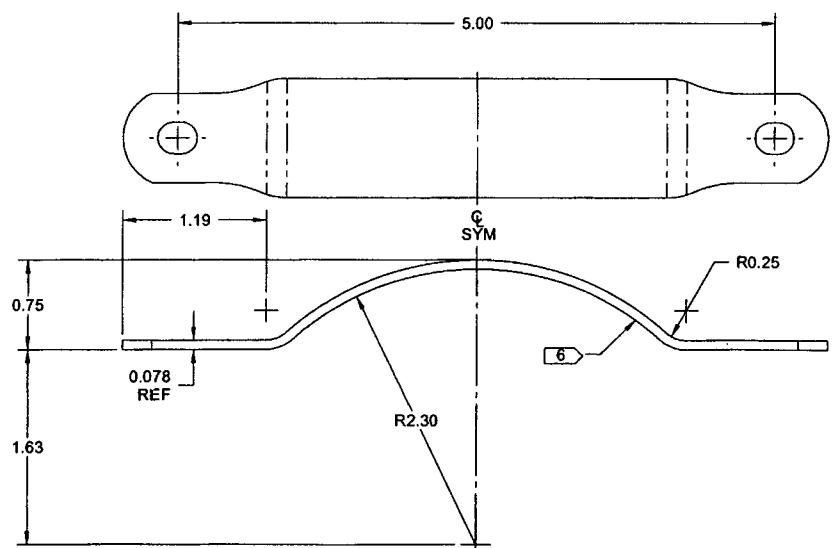
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>			
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/>										
FAULT CATEGORY										
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other						



D4060-3F 412 SKI CLAMP, BOTTOM FLAT PATTERN



D4060-3 412 SKI CLAMP, BOTTOM
MAKE FROM D4060-3F

RELEASED
2010-04-07
JW

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	DRAWING NO. D4060 REV. A
MFG. APPR.	<i>[Signature]</i>	SHEET 3 OF 4
APPROVED	<i>[Signature]</i>	TITLE 412 SKI CLAMP
DE APPR.	<i>[Signature]</i>	SCALE NTS
DATE	10.03.31	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

NCR: Yes / No

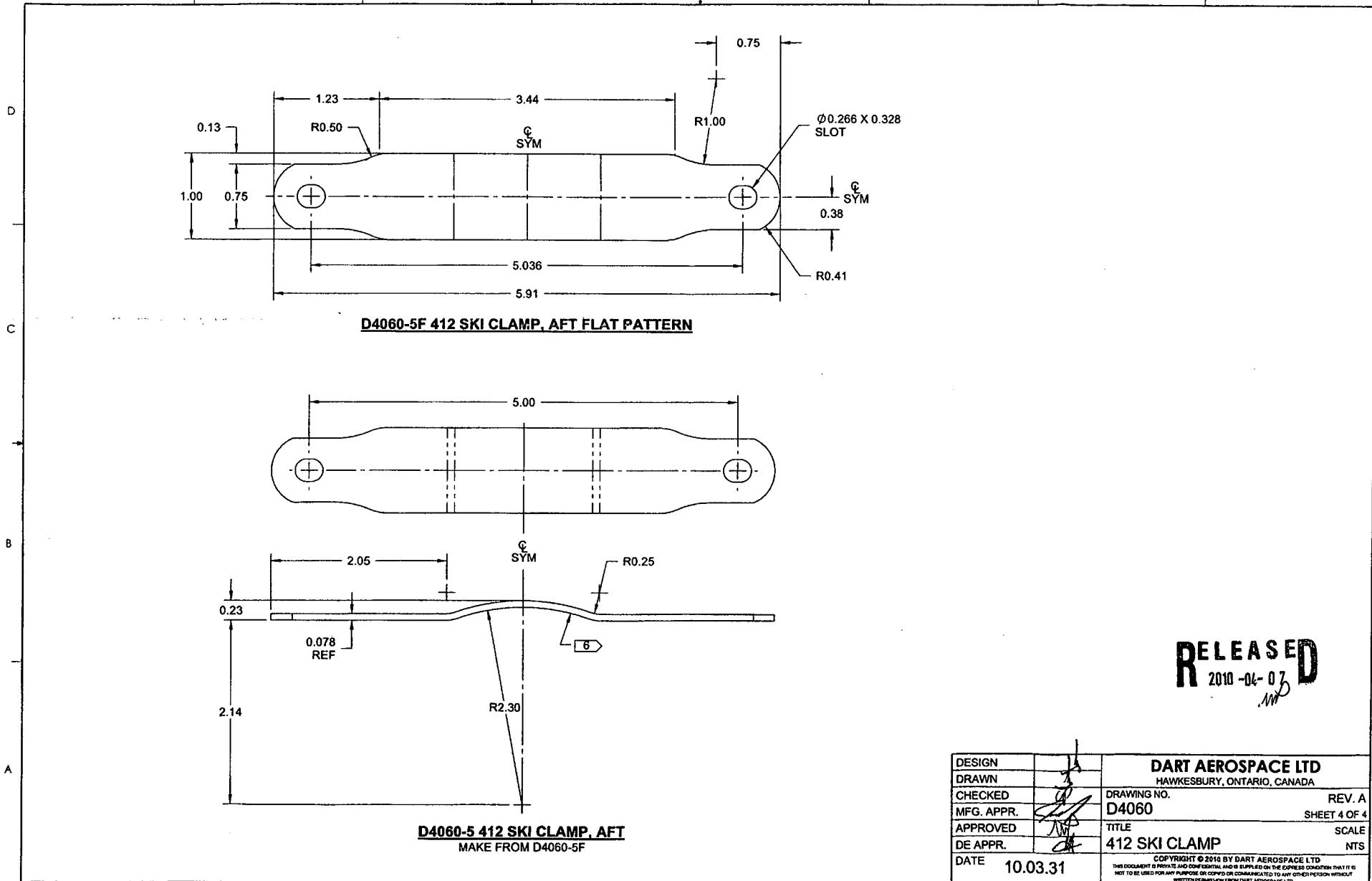
DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
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Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
	<input type="checkbox"/>	Bending	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced			
	<input type="checkbox"/>	Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure			
	<input type="checkbox"/>	Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld			
	<input type="checkbox"/>	Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled			
	<input type="checkbox"/>	Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>				
	<input type="checkbox"/>	Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>				
	<input type="checkbox"/>	Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>	Other			
	<input type="checkbox"/>	Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>		<input type="checkbox"/>				
	<input type="checkbox"/>	Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>		<input type="checkbox"/>				
	<input type="checkbox"/>	Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>		<input type="checkbox"/>				
	<input type="checkbox"/>	Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>		<input type="checkbox"/>				

8 7 6 5 4 3 2 1



DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	DRAWING NO. D4060 REV. A
MFG. APPR.	<i>[Signature]</i>	SHEET 4 OF 4
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NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
NCR No. _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
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Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear				General						
	<input type="checkbox"/>	Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced
	<input type="checkbox"/>	Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure
	<input type="checkbox"/>	Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld
	<input type="checkbox"/>	Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled
	<input type="checkbox"/>	Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>	
	<input type="checkbox"/>	Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>	
	<input type="checkbox"/>	Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>	Other
	<input type="checkbox"/>	Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset				
	<input type="checkbox"/>	Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration				
	<input type="checkbox"/>	Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence				
	<input type="checkbox"/>	Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions				



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO20979**

Purchase Order Date 8/19/2013

PO Print Date 8/20/2013

Page Number 1 of 1

Order From : VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 514 630 4877

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Revised

Ship To Contact
Ship To Phone
Ship Via: FedEx PI collect
Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
				Promise Date			
1	D4060-1P	Ski Clamp, Top	9/11/2013 Yes	40.00 Each		\$17.00	\$680.00

AS PER DWG D4060 REV. A
B105768

Line Total: \$680.00

PO Total: \$680.00

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.
No substitution or deviation without consent.
Certificate of Conformity or Material Certification required YES NO
PST# 6122-5207

Change Nbr: 2

Change Date: 8/20/2013



GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.

180 AVENUE LABROSSE
POINTE-CLAIRES, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE	N° DE BON DE LIVRAISON / SHIPPING MEMO NO.	PAGE
09 09 13	0520596	1/1



VENDU À / SOLD TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLÉMENT CUSTOMER CODE	N° DE CONTRAT JOB NO.	N° DE PRENOM DE COMMANDE YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR SHIP VIA
QUANTITÉ QUANTITY	N° DE PIÈCE PART NO.	DESCRIPTION	
40	D4060-1P	SKI CLAMP TOP ITEM 1 C OF C REQ'D	
	MFG. JOB# <u>JO272988-001</u> QTY <u>40</u> DUE DATE: <u>Sept. 11. 2013</u>		

EXPÉDITEUR
SHIPPER

N° DE BON DE LIVRAISON
SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

CERTIFICATE OF COMPLIANCE

CERTIFICAT DE CONFORMITE

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. **8** OUR JOB NO **J0272988** SHIPPING MEMO **0520596**

ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
------	----------	----------------	-------------	-----	------	-----------

40 PCS	PO20979	D4060-1P	A	SKI CLAMP TOP	A
---------------	----------------	-----------------	----------	----------------------	----------

MATERIAL	SUPPLIED BY	MAT. REL. NO.
078 THK 304 Ann AMS 5513	TW METALS / UNITED PERFORMANCE/ ALLEGHENY LUDLUM	951020

	PROCESS	PROCESSOR	RELEASE NOTE #
1	FIRST ARTICLE INSPECTION REPORT ON FILE	GFI	N/A
2	REF. GFI MANUFACTURING JOB NUMBER J0272988-001 (40 PCS)		
3			
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE **10 SEPTEMBER 2013**

G.F.I. Q.C. REP.

CERTIFICATIONSFRAUD AND FALSIFICATION STATEMENT

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under statutes including federal law. Title 18 chapter 47.

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications.

MERCURY FREE STATEMENT

TW Metals certifies that the supplies furnished under this contract contain no metallic mercury or mercury compounds, and have not come in contact with mercury or alpha bearing instruments while in the possession of TW Metals Inc.

Customer Name: GFI, IncPurchase Order No.: 0081448Item number: 0001 Shipper/Invoice No.: D3302590Material: 304-2B Manufacturing Mill: United PerformanceSpecification: Heat / Lot No. 951020Size: .078 Quantity: 1pcSignature: Janice Clark Date: 11/6/12

Description: 304GAL ANN G77, 083 DOMESTIC
 Customer: TW Metals
 Shipdate: 08/12/2012
 Hdr: 951020

UNITED PERFORMANCE METALS
 This is to certify that in accordance with the records in
 our files, the material shipped on your purchase order
 conforms to the following:
 3475 Symmes Road Hamilton, OH 45015

Authorized Signature: *Lynne Harper*
 Lynne Harper

NOTICE OF SHIPMENT/
 PACKING LIST



CERTIFICATE OF TEST

AL 61884 1211

CUST. ORD NO & DATE		CUST. CODE		ACCEPTING MIL.		SHIPPER NO.		PRODUCT CODE		MILL ORDER NUMBER		DATE SHIPPED	
01021046	07/06/12	110977		VANDERGRIFT, PA.	549038	REPEAT ORDER	DO PRICING	MAIL	13020102060000	30-072-063	08/09/12	SHIPPING LOCATION	INVOICE
SOLD TO	1	SHIP TO	SPEC	82037-9	26	PRIME	SEC.	1124	VANDERGRIFT	PA	656865	SHIP TO	
UNITED PERFORMANCE METALS		DSO	DSO						UNITED PERFORMANCE METALS				
3475 SYMMES ROAD		516							3475 SYMMES ROAD				
HAMILTON	OH 45015								HAMILTON	OH 45015			

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3. EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA B/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

ITEM PCS DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/ CD	SKID #
---------------------------	--------	--------	--------	-------	------	-----	------	-----------	--------

001 1 48./.080/1394.	951020	07212N070	8795762	18810	50	18760	879769		
C CUST IDENTITY 00718				18810	50	18760			
1 SKID									

HEAT 951020	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--N--
TEST LOCATION	.027	1.71	.035	.0005	.45	18.35	8.01	.39	.48	.07
CHECK 8795762	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI
TEST LOCATION	.026	1.72	.034	.001	.44	18.32	8.01	.39	.50	.07
	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND 83. HRBW	CORROSION T PASS	GRAIN A 262 PR E	SIZE 6.	HARDENABILITY
001 8795762	T 48100.	97000.	62.		84. HRBW	T PASS	PASS	PASS		

TEST LOCATION	TC								
---------------	----	----	----	----	----	----	----	----	----

* Y.S. BY 0.2% OFFSET METHOD

ITEM TEST NO	CORROSION MELT ISO 3651-2 SOURCE	T-YIELD 1%	P&W E-25 TRAN BEND
001 8795762	PASS	56000.	2.

TEST LOCATION	TC	TC	TC
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REVIEWED BY Q.C.

Date: 8/13/12 by *PT*

PAGE 01 - CONTINUED ON PAGE 02

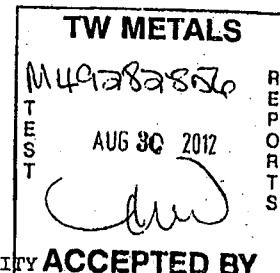
CONSIGNEE: Please Note - This consignment was turned over to us in first class condition, being carefully packed, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any damage or damage is discovered, leave it in full description made by transportation agent enroute before signing.

Material Safety Data Sheets for this product have been sent to you. Les fiches d'information-sécurité de ce produit ont été fournies à votre demande par notre Département des ventes. Pour obtenir des exemplaires supplémentaires, veuillez téléphoner au numéro suivant: 724-226-5980. Attention: les travaux entraînent la production de vapeurs, poussières, ou solides (poussière), cette cause de risques pour la santé. Pour plus d'informations se référer aux fiches d'information-sécurité.

WARNING: Les fiches d'information-sécurité de ce produit ont été fournies à votre demande par notre Département des ventes. Pour obtenir des exemplaires supplémentaires, veuillez téléphoner au numéro suivant: 724-226-5980. Attention: les travaux entraînent la production de vapeurs, poussières, ou solides (poussière), cette cause de risques pour la santé. Pour plus d'informations se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgment.

Stephen Wolf - *Stephen Wolf*
 Director, Corporate Quality Assurance



08/09/12 13:32:10

Description: 304/304L ANN .077-.083 DOMESTIC
 Customer: TW Metals
 Shipped: 08/07/2012
 Heat: 951020

UNITED PERFORMANCE METALS
 This is to certify that in accordance with the records in
 our files the material shipped on your purchase order
 conforms to the following:
 3475 Symmes Road Hamilton, OH 45015

Star: 48 X 120
 P.O.: M49282856
 Part #:
 Sales #: 01154654
 Quantity: 7

NOTICE OF SHIPMENT/
 PACKING LIST

CUST. ORDN. NO. & DATE
 01021046 07/06/12 110977
 FORMS DISTRIBUTION
 SOLD TO 1 SHIP C&P SPEC
 UNITED PERFORMANCE METALS
 3475 SYMMES ROAD
 HAMILTON OH 45015



Allegheny Technologies

CUST. CODE
 VANDERGRIFT, PA. 549038
 ACCEPTING MILL
 REPEAT ORDER 82037-9 26
 GOVT CONTRACT
 PRIME SEC.
 DSO DSO
 516
 UNITED PERFORMANCE METALS
 3475 SYMMES ROAD
 HAMILTON OH 45015

CERTIFICATE OF TEST

AL 6168-4 1211

PRODUCT CODE
 13020102060000 30-072-063
 MILL/ORDER NUMBER
 MATT. 1124 VANDERGRIFT PA 656865
 SHIPPING LOCATION
 DATE SHIPPED
 08/09/12
 INVOICE
 SHIP TO
 UNITED PERFORMANCE METALS
 3475 SYMMES ROAD
 HAMILTON OH 45015

Lynne Harper
 Lynne Harper
 Lynne Harper
 Lynne Harper

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - GROSS, RONALD, INC.

METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

FLAT NON-WELDED TEST PIECE WAS USED FOR ISO 3651-2 INTERGRANULAR CORROSION TEST. T1 SENSITIZATION HEAT TREATMENT WAS PERFORMED ON LOW CARBON AND STABILIZED GRADES.

DIN EN 10204:2005 - 3.1 ATI ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

MATERIAL WAS SOLUTION ANNEALED AT 1900F (1038C) MINIMUM FOR A TIME COMMENSURATE WITH THICKNESS AND RAPIDLY COOLED WITH AIR AND WATER.

ATI ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

NO WELDS/WELD REPAIRS PERFORMED.

WESTMORELAND MECHANICAL TESTING & RESEARCH, YOUNGSTOWN, PA (T7869) IS A GEAE S400 AND ISO/IEC 17025 APPROVED FACILITY.

M49282856

TEST	AUG 30 2012	REPORTS
TW METALS		
ACCEPTED BY		

PAGE 02 - CONTINUED ON PAGE 03

CONSIDERER: Please note: This document is turned over to carrier in first class cancellation, being carried by air or sea. The carrier is responsible for loss or damage to shipment caused. For your protection (don't examine shipment as it arrives. If any damage or damage is discovered, leave a note and disruption made by transportation agent on waybill before signing).

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5880. CAUTION: Processing that involves fuming, heating or volatilizing may cause lung damage. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des échats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5880. Attention: les opérations qui impliquent la pulvérisation du vapeurs, chauffage, ou volatilisation peuvent entraîner la dégradation pulmonaire. Veuillez voir les fiches d'information-sécurité.

The above is a true copy of order on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolf - Director, Corporate Quality Assurance

08/09/12 13:32:10

**NOTICE OF SHIPMENT/
PACKING LIST**



CERTIFICATE OF TEST

AL 61684 121

CUST. CNO. & DATE		CUST. CNO.		ACCEPTING MILL		Allegany Technologies		SHIPPER NO.		PRODUCT CNO:		MILL ORDER NUMBER		DATE SHIPPED	
01021046 FORMS DISTRIBUTION		07/06/12 110977		VANDERGRIFT, PA.		549038 GOVT CONTRACT		13020102060000 MATL.		30-072-063 SHIPPING LOCATION		08/09/12 INVOICE			
SOLD 10→	SHIP TO→	SPEC →		REPEAT ORDER	OO RATE	PRI ORITY									
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON		82037-9 PRIME		26 SEC.		1124 VANDERGRIFT SHIP TO		PA		656865					
		DSO		DSO		UNITED PERFORMANCE METALS 3475 SYMMES ROAD									
		516				HAMILTON		OH 45015							

UNITED PERFORMANCE METALS

This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following.

GRADE AND SPECIFICATIONS CARRIER - GROSS, RONALD, INC.
 "ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-ORS-001) (EN 10028-7-2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 20 DATED 02/24/2012.

ATI ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX I, 4.3 BY TUV SUD,
INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

Description: 304304L ANN .077-.083 DOMESTIC
Customer: TW Metals
Shipped: 3/12/2012
Heat: 951020

Size: 48 X 120
P.O.: M49282856
Part #: Sales #: 01194654
Priority 7

MATERIAL TESTED AT ATI ALLEGHENY LUDLUM GEAE S400 APPROVED FACILITIES (T1225 & T9317): NATRONA HEIGHTS, PA TECHNICAL CENTER; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

PAGE 03 - CONTINUED ON PAGE 04

CONSIGNEE--Moosa Note--This consignment was turned over carrier in first class condition, being correctly packed, at which time our responsibility for loss or damage to shipment ceased. For your protection please examine shipment as it arrives. Any shortage or damage is discovered, kindly file a full description and make transportation agent responsible before returning.

Material Safety Data Sheets for this
supplied to your Purchasing Department.
phone 724-226-5980. CAUTION:
fumes, dust, or solutions may cause lung
irritation. Data Sheets for Authors
and Distributors available on request.

31

Stephan Wolff - Stephan
Bündnis 90/Die Grünen

TW METALS
M49282856
**T
E
S
T**
AUG 30 2012
Amo
ACCEPTED BY

ACCEPTED BY

Description: 304L30CL ANN. .077-.083 DOMESTIC
 Customer: TW Metals
 Shipped: 08/27/2012
 Heat: 551020

UNITED PERFORMANCE METALS
 This is to certify that in accordance with the records in
 our files the material shipped on your purchase order
 conforms to the following:
 3475 Symmes Road Hamilton, OH 45015

Size: 48 X 120
 P.O.: 048282856
 Part #: 01194634
 Sales #: 01194634
 Quantity: 7

Authorized Signature: *Lynne Harper*
 Lynne Harper

NOTICE OF SHIPMENT/
 PACKING LIST



Allegheny Technologies

ITEM: ORD. NO. & DATE	CUST. CODE	ACCEPTING MILL	SHIPPER NO	PRODUCT CODE	SELL. ORDER NUMBER	DATE SHIPPED
01021046	07/06/12 110977	VANDERGRIFT, PA.	1549038	13020102060000	30-072-063	08/09/12
FORMS DISTRIBUTION		REPEAT ORDER	GOVT CONTRACT	WATL	SHIPPING LOCATION	INVOICE
SOLD TO	82037-9 26	SHIP TO	1124 VANDERGRIFT	PA	656865	
UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON	PRIME SEC. DSO DSO 516	UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON	OH 45015	OH 45015		

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - GROSS, RONALD, INC.

ATI ALLEGHENY LUDLUM HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP, ISO/EIC 17025, GEAE S400, GEAE S-1000. REFER TO WWW.ALLEGHENYLUUDLUM.COM TO ACCESS THE CURRENT ATI AL QUALITY CERTIFICATIONS.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

1. - MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

MI = ATI-ALLEGHENY LUDLUM; 950 TENTH STREET; MIDLAND, PA 15059
 TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

TW METALS	
M49282870	
TEST	AUG 30 2012
REPORTS	
ACCEPTED BY	

PAGE 04 - FINAL PAGE.

ISSUED BY ATI ALLEGHENY LUDLUM - 08/10/2012 08:20
 CARRIE MCFALL - QUALITY ASSURANCE DEPT.

CONSIGNEE - Please Note - This consignment was issued even in
 though it is being shipped to you, we will not be responsible for any damage or loss or any claim you may present to us. For your
 protection please examine shipment as it arrives. If any shortages
 (or damage) is discovered, have a full description made by
 the consignee agent or carrier before signing.

Material Safety Data Sheets for this product have been
 supplied to your Purchasing Department. For an additional copy
 please contact through your sales. Please note that some substances
 may be dangerous if misused. (Attention: Au numéro suivant: 724-226-5930) Attention: les
 ingrédients entraînent la production de vapeurs, poussières, ou substances
 percutées. Pas créez de maladies néfastes. Pour plus de renseignements se
 référer aux échos d'information-santé.

WARNING
 Les informations-santé de ce produit ont été fournies à votre
 acheteur par le biais de votre vente. Pour une copie supplémentaire
 veuillez contacter votre vente. Pour toute information supplémentaire
 veuillez contacter au numéro suivant: 724-226-5930. Attention: les
 ingrédients entraînent la production de vapeurs, poussières, ou substances
 percutées. Pas créez de maladies néfastes. Pour plus de renseignements se
 référer aux échos d'information-santé.

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Stephanie Wolf - Director, Corporate Quality Assurance